AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method comprising:

thermally decomposing a graphite fiber/polymer composite under an inert atmosphere to produce a plurality of graphite fibers bound to a plurality of carbon chars; and

separating said carbon chars from said graphite fibers by <u>controlling</u> molten salt electrochemical oxidation <u>wherein said graphite fibers are left intact</u>.

- 2. (Original) The method recited in Claim 1, wherein the polymer portion of the graphite fiber/polymer composite is selected from the group consisting of polymeric materials such as epoxies, polyethylene, polypropylene, polyacrylics, and copolymers thereof.
- 3. (Original) The method recited in Claim 1, wherein said thermal decomposition under an inert atmosphere is accomplished by heating said graphite fiber/polymer composite to a temperature from 400-600 °C.
- 4. (Original) The method recited in Claim 1, wherein said thermal decomposition occurs in a molten salt electrochemical cell.
- 5. (Original) The method recited in Claim 1, wherein the temperature of said molten salt electrochemical oxidation ranges from 500-850 °C.

-2-

6. (Original) The method recited in Claim 1, wherein the temperature of said molten salt electrochemical oxidation ranges from 750-800 °C.

7. (Currently amended) A method comprising:

pyrolyzing a mixture of a plurality of graphite fibers and a carbon based material under an inert atmosphere to produce a plurality of graphite fibers bound to a plurality of carbon chars; and

separating said carbon chars from said graphite fibers by <u>controlling</u> molten salt electrochemical oxidation <u>wherein said graphite fibers</u> are left intact.

8. (Currently amended) A method comprising:

separating a plurality of carbon chars bound to graphite fibers by <u>controlling</u> molten salt_electrochemical oxidation <u>wherein said graphite fibers are left intact</u>.

9. (Currently amended) A method comprising:

thermally decomposing a mixture of (1) a plurality of graphite fibers and (2) at least one carbon-based material at a temperature ranging from 400-1200 °C under an inert atmosphere to produce a plurality of graphite fibers bound to a plurality of carbon chars; and

separating said carbon chars from said graphite fibers by <u>controlling</u> molten salt electrochemical_oxidation at a temperature ranging from 700-850 °C <u>wherein</u> the graphite fibers are <u>left intact</u>.

10. (Currently amended) The method recited in Claim § 9, wherein said thermal decomposition occurs in a molten salt electrochemical cell.